

# PIPELINE

Winter 2017/18



## Inside Aldridge

### Recommitment to IIF

The Aldridge safety program has always improved at a pace that surpassed others in the industry and we believe that one incident or injury is one too many. In 2014, Aldridge took a significant step toward improving safety, as we embraced a new culture - IIF Incident and Injury Free. The entire company stepped up to a complete culture change. Today, we routinely practice and teach IIF in our daily lives, but our journey continues. We are currently conducting a survey with all employees to get a pulse of our current safety performance. The results of this survey will help shape our safety focus in 2018.

### Spotlight On Award

Congratulations to **Erin Bradley, Brandy Chevopoulos, Scott Bringer, Pat Burchfield, and Sean McGeever** for being the latest recipients of Aldridge's Spotlight On Award!

Erin and Brandy were responsible for spearheading and managing Aldridge's first ever comprehensive PM academy which successfully hosted over 100 Project Managers over 3 days of classes on various topics.

Scott, Pat, and Sean were recognized for outstanding achievement on the Washington/Wabash project, which had a rigorous schedule and showcased great success using the Agile tools in pre-job planning.

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## A Message From Alex & Steve Aldridge



As third generation family members, we are excited to kick off 2018 with an issue that highlights one of Aldridge's core values: stewardship. Our family's definition of stewardship is striving to leave something in better shape than when we assumed responsibly for it. People may immediately jump to the conclusion that we are referring to our company but for us it is more than that: The community.



Aldridge has grown by leaps and bounds over the last twenty years thanks to the many customers, partners and suppliers that work with us. We are all part of a community whether on a project or at home with our families. We have made it a point to give back to the communities in which we serve.

In this newsletter we have chosen to highlight the efforts of select charities that are very personal to our team members: finding a cure for type 1 diabetes, building bridges in developing communities, genetic research targeted at variations and treatment, and giving hope to young burn victims. As third generation leaders we will continue to work hard on the core values that give us purpose. Thank you.

- As always, stay safe -

Alex Aldridge, COO

Steve Aldridge, COO

## Recently Awarded Projects

### AEP

Lemaster Station & Trimble 138kV Transmission Line, OH  
Hicksville: Mark Center 69kV, OH  
Multiple Sites, OH  
Multiple Sites, TX

### American Airlines

Hanger II Replacement, IL

### BG&E

Substation Security, MD

### Caltrans

TS & ITS Improvements, CA

### Chicago Department of Aviation

Passenger Security, IL  
Runway 10R-28L Safety & Security, IL

### City of Azusa

Street Light Retrofit, CA

### City of Chicago

O'Hare Facilities, IL

### City of Long Beach

Long Beach Blue Line Signal

### Prioritization, CA

### City of Phoenix

Sky Harbor Sky Train, AZ

### ComEd

Multiple Sites, IL

### Cross Texas Transmission

Limestone to Gibbons Creek, TX

### CTA

Broadway Substation Upgrade, IL

### DDOT

South Capitol Street Corridor, DC

### Delmarva Power

Substation, DE

### Department of Navy

Security, IL

### Department of Veterans Affairs

VA Hospital Elevator Upgrades, IL

Building 134 Renovation, IL

Rehab Center Structural Repairs, IL

### Dominion Virginia Power

Cunningham Doods, VA

Thole St & River Crossing, VA

### Federal Aviation Administration

Foundations, Power & Comm on

10C-28C, IL

Decommissioning of RW 14L-32R

NAVAIDS & FOTS, IL

### Great Lakes Naval Base

Solar PV Thermal Hybrid Project, IL

Multiple Projects, IL

### Iowa DOT

I-74 Mississippi River Bridge, IA

### LA World Airport

SWA LAX T1.5 M-Pile System, CA

### Metra

Ravenswood Station, IL

### National Grid

Z-1/Y-2 Refurbishment, MA

### Oncor

Multiple Sites, TX

### PECO

Security, PA

Drilled Shafts, PA

### PEPCO

Substation Security, DC

### San Bernardino Transit Authority

Monte Vista Grande Separation, CA

### Tennessee DOT

1-240 Widening, TN

### United Airlines

South Apron Pad of the Future, IL

### UPRR

UP LATC Modernization, CA

### Utah DOT

Sign Pole Foundations, UT

### Westar

Multiple Sites, KS

## On the Cover

The Susquehanna to Jenkins T-Line project is part of a service reliability program. Turn to page 8 for more details.



# Rescue Training Trailer

Aldridge is pleased to announce that our new manhole rescue trailer has hit the road! This innovative training tool travels with the mobile training facility and will provide training in hands-on rescue situations to personnel on job sites across the country.

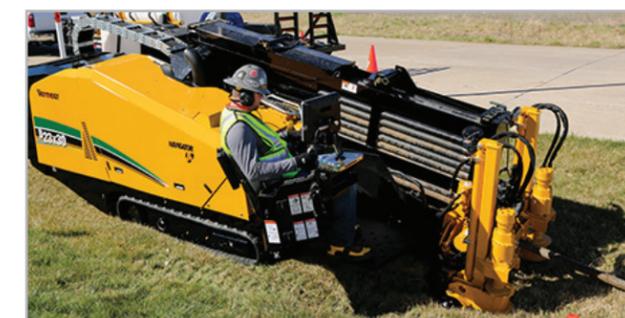


# Utility Services Expansion

Aldridge has built a reputation of excellence in the Utility market through our many successful projects with work scopes such as substation infrastructure, substation security, underground assessment and repairs, overhead upgrades, and large scale duct bank.



Today, with over 100,000 miles of gas infrastructure in need of repair or replacement, utility clients are calling on Aldridge to engage in future projects involving gas pipeline repair and replacement. Aldridge's extensive experience in electric, telecom, and other utility components, makes us a good fit for this infrastructure.



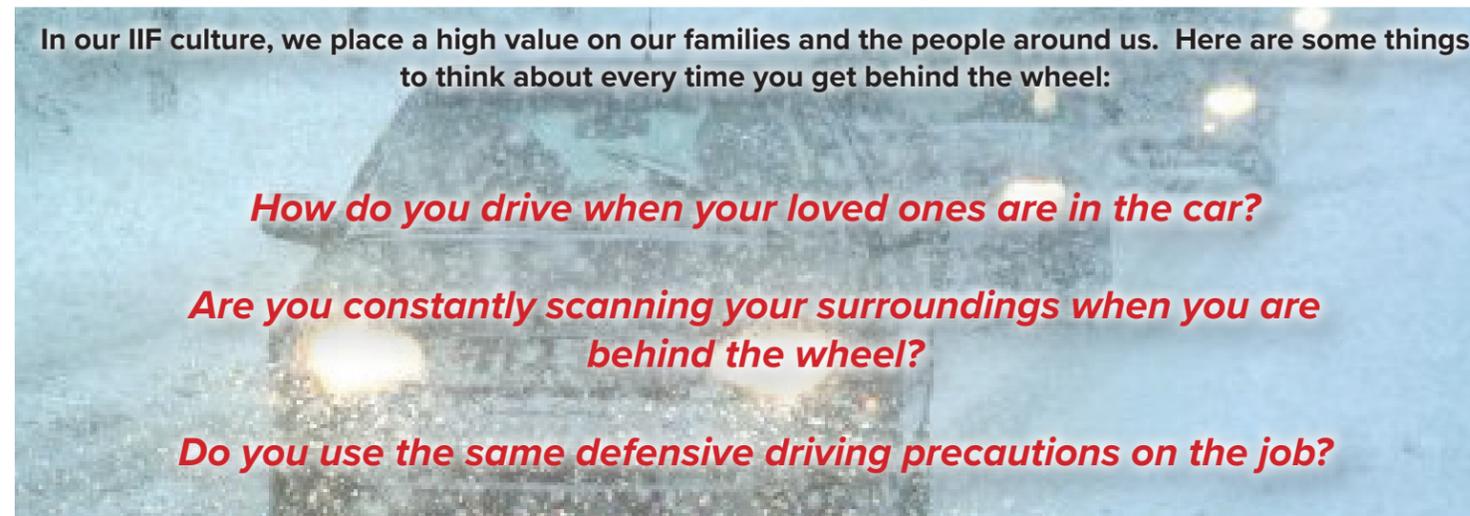
Our project operations are led by Dan Galovich and Bill Sanchez, who have a combined experience of 50 years in gas utility construction work. Contact Dan and Bill for more information about our expanded capabilities.

# Winter Driving - Are you safe?

A renewed focus on safe driving habits is critical in the winter months as harsh driving conditions affect everyone. In an effort to focus on safe driving habits, Aldridge rolled out a new Safe Driving Program. The goals of the program include reducing vehicle accidents, injuries from vehicle accidents, and claims. The tools used provide real time alerts, reports, and scores for drivers that indicate when potentially dangerous behaviors occur; examples include harsh acceleration, braking, cornering, and speeding. The information obtained allows supervisors to assess driving habits with personalized data, and then recognize those with safe behaviors, or coach and monitor those that require attention.



Congratulations Aldridge team for your efforts in supporting this program and being safer drivers.



# Agile & Pre-Fab Highlights

In the last year, Aldridge's Agile Construction Program saw huge improvements in the use of Agile tools as well as orders fulfilled by our innovative Pre-Fab shop. As we start 2018, we will continue our focus on utilizing these best practices to ensure an effective and efficient project every time.



## Pre-Fab

- 3x more orders than 2016
- Expansion to new Shop, more than doubling our Shop Capacity
- Creation of Pre-Fab Catalog and Automated Order Forms
- 1st project using Scanning Technology for Aldridge
- 1st project fully modeled for Pre-Fab



## Agile Tools

- 206 Jobs using Work Breakdown Structure (WBS), Job Productivity Assurance & Control (JPAC®) & Short Interval Scheduling (SIS®) in 2017
- 38 PM process documentation updates and creation of new Project Operations Manual
- Release of 'How To' video for documentation of JPAC® & SIS®
- Roll-out of simplified & defined divisional cost codes
- WBS, SIS®, JPAC® use with Fleet



## 2018 Focus

- Expand Pre-job Planning Support and Pre-Fab usage
- Advance Project Vendor Partnerships
- Mastery of WBS as our planning tool
- Using JPAC® & SIS® to drive job and process changes

# AN INDUSTRY FIRST: MDOT FREEWAY LIGHTING P3 PROJECT

The Michigan Department of Transportation (MDOT) Freeway Lighting project is a true trailblazing project as it was the first highway lighting job in the United States that was organized as a Public Private Partnership (P3). It made headlines in the construction industry and has been watched with great interest. In August, Aldridge and the Freeway Lighting Partners (FLP) team successfully completed the construction phase of this groundbreaking project on time. After 2 years of estimating and planning, followed by the 2 year construction phase, FLP and Aldridge celebrate this noteworthy milestone.

## Freeway Lighting Partners

This P3 project included the need for Design, Construction, Finance, and Operations and Maintenance. To deliver on all of those aspects, a team was organized with companies that were specialists in each of the necessary fields. Freeway Lighting Partners was formed by the teaming of Star America (Finance), Aldridge (Design-Build Contractor), WSP (formerly Parsons Brinkerhoff and responsible for Design) and Engie (O&M Services).



## Design-Build Scope of Work

The project consisted of the repair and replacement of approximately 15,000 freeway lights in Wayne, Oakland, and Macomb counties including approximately 4,000 fixtures located in tunnels. The primary focus of the project was to convert all freeway lights to more energy-efficient LED models. In addition, only about 70% of the freeway lights were operational due to fiscal constraints, age of the system, and copper theft. All areas lacking lighting required new infrastructure to bring the appropriate lighting levels to the roadway.

The 2 year design and construction phase included full system design as well as the Operations & Maintenance services of the system.

Aldridge subcontracted the design to WSP, who provided comprehensive design services for this new system.

## Schedule

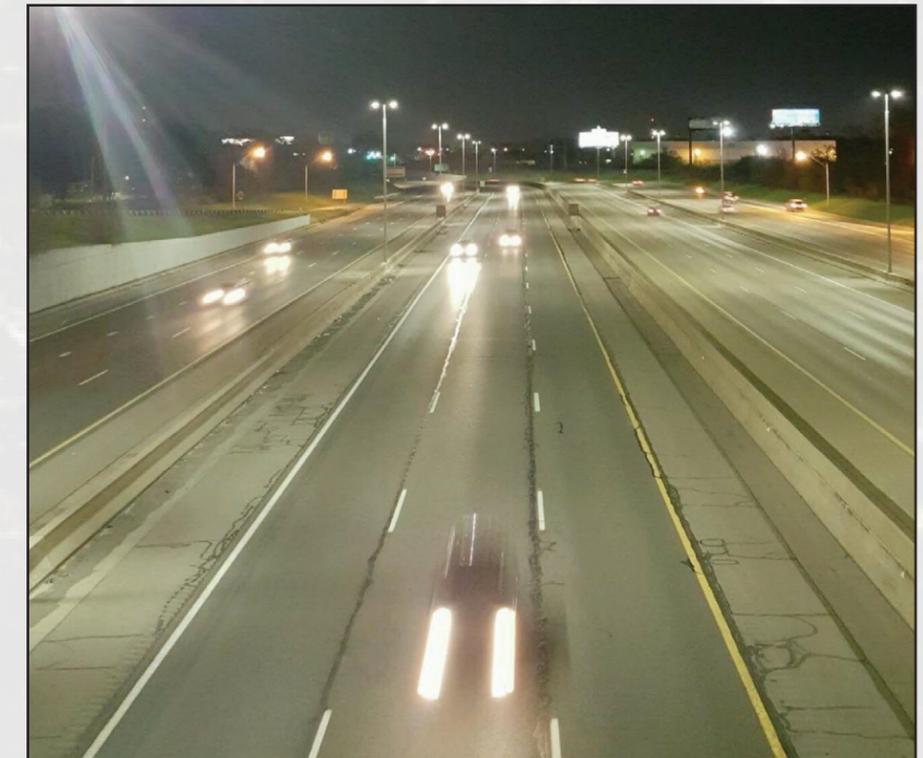
During the proposal process, Aldridge did an extensive survey of the existing infrastructure conditions. In this way, Aldridge was able to develop the exact scope of the necessary repairs. By understanding existing conditions, the life cycle of materials, and the field effects on these materials, Aldridge was able to accurately identify and replace only the components that were deficient.

By scheduling the design in phases, FLP was able to begin construction within 4 months following Commercial and Financial close. As a result, 90% of the project was completed within 14 months following Commercial and Financial close, which resulted in an additional energy savings payment for the owner.

## Innovation

Techniques used on the project included:

- Prefabrication - materials were delivered in kits with pre-assembled components to expedite installation in the field, reducing time on active roadways.
- Customized Equipment - the Aldridge Equipment Department designed and built 2 pieces of proprietary equipment that minimized lane rentals, and improved the safety of workers and the traveling public.



## Safety

Maintenance of traffic included an Aldridge mandated attenuator truck at every installation location to promote work and public safety.

At project completion, traffic safety and visibility were greatly improved for the motorists of the Metro Detroit area. Seeing is believing on the MDOT Freeway Lighting P3 Project.

# People on the Move

## Welcome

### Bill Sanchez | Director of Gas Operations



Joining the Aldridge team as Director of Gas Operations, Bill brings a 20 year long career in the gas distribution and transmission market. He began his career in design of pipeline and mechanical equipment and has a strong background in project/construction management.

### Tony Downey | Regional Safety Manager East Coast



With more than 35 years experience as a safety professional specializing in the Power construction and maintenance industry, Tony joins our East Coast team and will oversee the safety programs for all projects in the East.

### John Keeler | Senior Project Manager



John will be reporting to Zach Kane and working in the Drilling Division as Senior Project Manager for the South, with a strong focus on growing our client base in the region. Born and raised in Central Texas, he has worked in the construction industry for 23 years, 16 years of that in the T&D market.

### Steve Belanger | Regional Safety Manager, West Coast



Steve joins Aldridge with a construction and power plant operational background. He recently relocated to Southern California to oversee safety on our West Coast projects. We are happy to have his depth of safety leadership with us.

### Mike Waldren | Division Manager



Mike has a depth of knowledge in drilling operations in the western mountain region, having worked in the industry for over 30 years. He is the former President of the Rocky Mountain Chapter of the ADSC, and will be located in Denver, CO to support our growth in that region.

## Promotions

### Adam Chini | Program Manager



Adam joined Aldridge in 2012 as a Senior Project Manager. After leading the proposal and recently completed construction on the MDOT Freeway Lighting P3 project, Adam was promoted to Program Director. Adam is based in Washington DC and currently working on the newly awarded South Capitol Street Corridor project and will spearhead business development efforts for the transportation market in the Mid-Atlantic Region.

### John Chimenti | Manager of Application Development



John joined Aldridge's IT department in 2014 after consulting for 20 years. As Manager of Application Development, John's team will assist in solving problems, creating solutions and generating business intelligence windows that will help Aldridge grow.

### Gary Coleman | Senior Technical Health & Safety Manager



Since joining Aldridge, Gary has been an integral part of the Drilling Safety Program and driving our IIF culture. In his new role, he will deliver technical support and direction across all projects. Gary holds 5 high-ranking safety certifications and he has over 30 years of construction experience with 16 years in construction safety, and holds a Master of Science degree from Northern Illinois University.

### Bill Sullivan | Utility Training Manager



Bill joined Aldridge in 2015 following his retirement from ComEd. Bill brought with him significant expertise from the Underground Department, including 2 years as a Training Manager. He has supported Aldridge's work on ComEd's EIMA program which involved inspection and repair of 28,000 manholes. As Utility Training Manager, Bill will create and deliver official Aldridge training programs using the new training trailers.

# Project Updates

## Susquehanna to Jenkins T-Line



Aldridge was selected to complete the foundations on this 230kV line rebuild. As part of the project, the existing towers on this 25 mile line were switched from the existing lattice construction to new mono-pole towers. Aldridge constructed 156 new concrete caisson foundations ranging in size from 8' to 14' diameters. Three independent drilling crews addressed the work, each outfitted with a specialty hammer that provided excavation capabilities up to a 10' diameter.

The line was remote and situated on difficult, rocky soils. Aldridge carefully planned the work to avoid any potential issues with the overhead lines, extreme terrain and logistics. This project was completed with no safety incidents, on time, and within budget.

## Washington-Wabash Station

This 2 year, \$10M project included demolition of the Madison and Randolph station houses. Aldridge removed and replaced approximately 1400 ft of 3rd rail to accommodate the new rail alignment, which allowed for the new station and platform, spanning the complete city block of Wabash between Washington and Madison. The new stations include new power, architectural lighting throughout, and communications and security systems. Aldridge was also responsible for installing new traffic signal systems at Washington/Wabash and Randolph/Wabash intersections as well as new underpass street lighting on the block of Wabash.



## Figueroa Corridor Streetscape



The Figueroa Corridor Streetscape project (MyFigueroa) will transform the Figueroa Corridor into a complete, multimodal street that will better serve the needs of pedestrians, bicyclists, transit riders, and drivers alike.

Aldridge's scope includes modifying and upgrading traffic signals at 29 intersections and lighting on two city blocks. These upgrades also include refurbishing and reinstalling 80-year-old decorative city light poles in downtown Los Angeles. Construction is expected to be completed in June.

# Aldridge Cares

Social responsibility is very important to Aldridge and it has become a cornerstone of the company culture. The Aldridge family makes it a priority to focus their charitable giving on causes that are near and dear to their hearts, and the hearts of their employees. The examples mentioned here demonstrate how all employees are encouraged to support causes and develop a personal connection.



The Aldridge family became active volunteers with the JDRF Illinois Chapter when Laura Aldridge was diagnosed with Type 1 Diabetes (T1D) as a child in 2004. Several years later, Steve Aldridge was diagnosed with T1D as an adult and their dedication to JDRF grew.



"JDRF Illinois is fortunate to have the partnership and dedication of the Aldridge family and our friends at Aldridge Electric," said Michelle Paulsen, JDRF Associate Executive Director, Illinois Chapter. "They have raised and contributed over \$4 million and continue to find creative and impactful ways to contribute to the T1D community and find a cure." Ken Aldridge and his family are passionate voices for T1D awareness and are dedicated to JDRF and its mission to accelerate life-changing breakthroughs to cure, prevent, and treat T1D. "We as a family don't commiserate about T1D, we work pro-actively to do something about it and find a cure" said Ken.

Some of the many ways we support JDRF are:

- **Fleet Sponsored Turkey Fry** – In addition to feeding over 420 friends and collecting canned goods for local food banks, the annual Aldridge Turkey Fry is also an opportunity to support JDRF with a silent auction.
- **JDRF Gala** – Held in December, the Aldridge family has traditionally attended the JDRF Gala. In 2016 and 2017, Ken and Amy Aldridge chaired the event. In 2017, the annual gala raised \$5 million.
- **Family Picnic JDRF Silent Auction & Employee Face-off** – During the annual Aldridge Family Picnic, employees and their families are invited to participate in a silent auction of donated items. In addition, each year Aldridge employees raise money by voting their colleagues into fun events like a dunk tank and jousting ring.
- **JDRF Walk** – The Aldridge family participated in their first JDRF walk in 2004, with a small team of 8. Today, more than 200 Aldridge employees, family, and friends, participate in this yearly walk.



In the Spring of 2017, Aldridge partnered with Bridges to Prosperity to provide an isolated community with access to essential health care, education, and economic opportunities by building a footbridge over an impassable river. After 2 weeks in Nicaragua, 10 Aldridge employees returned home with a new sense of purpose and community. Their mission had been to build a bridge but what they experienced was far more than that.



Here's what they had to say...

We immediately recognized "the good we were doing" by building the bridge. As the days went on, "the bridge became secondary" to the relationships being built between both the team members themselves and the local people. The biggest takeaway was the "strong sense of community we felt with the locals." "I came back a different person" was echoed by the teammates who feel they returned home with "a new group of friends" because "at the end of the day, we shared this amazing experience as a team." We were "honored to be chosen" to "help out in such a real way" for "one of the best experiences of [our lives]".

Applications for the next team build are now being accepted. Contact Dawn Ochoa for more information.



Just a year ago, (former) Aldridge Vice President Guy Niedorkorn learned that his granddaughter had Schaaf-Yang Syndrome (SYS). SYS is closely related to the Prader-Willi Syndrome and is so rare that it only affects about 100 patients world-wide. Research is critical to developing needed therapies. Guy, well-known for his charitable work, immediately began re-organizing the successful "I Gotta Guy Sausage Fest" to benefit the Foundation for Prader-Willi Research. As a family company, Aldridge supports Guy in his fundraising efforts.

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Aldridge employees, family, and friends purchase tickets to the annual "I Gotta Guy Sausage Fest". The proceeds from the ticket sales, and the funds raised during the silent auction, are all donated to the cause. In 2017, the event raised over \$170k, which saw more than 75 of Aldridge's own in attendance.



In 2005, Tom Taff, a former Chicago firefighter, came to work for Aldridge after he was badly burned and unable to return to his post on the CFD. While in rehab, he met many children who were burn victims. Meeting these children inspired Tom to start the Bucks for Burn Camp, a charitable organization that raises money to send young burn victims (ages 8-16) to a special camp experience specifically for kids who have been burned. Bucks for Burn Camp holds several fund raisers throughout the year, including a Softball Tournament every June, with family fun activities. Over the course of 10 years, Aldridge has participated in the softball tournament and interest among employees grew. We now play in our own mini inter-company softball tournament and run the concession stand, with all proceeds going to Bucks for Burn Camp, raising over \$30k year after year.



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# Let's have a happy and safe 2018!

## From the Archives



Aldridge employees take extra precaution on the Maine Power Reliability Program (MPRP) job during a winter snow storm.

Being safe during winter is about preparation and good judgment. Make it your New Years Resolution to always use precautions at home and at work!